

## PATENT ABSTRACTS OF JAPAN

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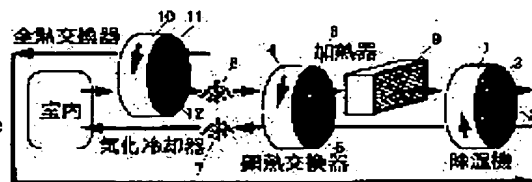
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## (54) DESICCANT AIR CONDITIONER

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a desiccant air conditioner which exerts sufficient effect particularly by low-temperature recycled air without being easily influenced by humidity increase of the outside air even when using an adsorption type dehumidifying means.

**SOLUTION:** Total heat exchange is carried out between returned air from a room and the outside air by a total heat exchange rotor 10. The outside air with temperature and humidity thereby lowered is dehumidified by a dehumidifying rotor 1. The temperature of the dried air with temperature raised by the dehumidification is lowered by carrying out sensible heat exchange with the vaporized and cooled returned air from the room. The dried air with temperature lowered is supplied into the room.



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